

Urban District Council of Wood Green.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

INCLUDING THE

**REPORT to the EDUCATION COMMITTEE,
FOR THE YEAR 1910,**

BY

T. SLATER JONES, M.D., M.R.C.S., L.R.C.P.,

TOGETHER WITH THE

ANNUAL REPORT

OF THE

INSPECTOR OF NUISANCES,

BY

A. E. ADAMS, Assoc. R. San. Inst., &c.

BOWES PARK, N.

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WOOD GREEN URBAN DISTRICT COUNCIL.

HEALTH AND SANITARY COMMITTEE, 1910.

Councillor W. J. PALMER (Chairman).

THE CHAIRMAN OF THE COUNCIL.

Councillor COLE, M.C.C.

Councillor LONGLAND.

Councillor HOLMES.

Councillor STANLEY.

Councillor THOMPSON.

Councillor PAYNE.

SANITARY STAFF.

Medical Officer of Health.

T. SLATER JONES, M.D., M.R.C.S., L.R.C.P.

Chief Sanitary Inspector and Inspector of Nuisances.

A. E. ADAMS, Assoc. R. San. Inst., R.P.C., Cert. R. San. Inst., Cert. Meat and Food Inspector, Cert. Plumbers' Work, Certs. Building Construction, Physiology, Hygiene, &c.

Assistant Inspectors.

J. L. SEDEN, Cert. R. San. Inst., Cert. Meat and Food Inspector, Cert. Sanitary Science, and Cert. Practical Sanitary Science (City of London College).

S. C. STANBURY, Cert. R. San. Inst.

Health Visitor.

Mrs. PARNELL.

Clerk.

S. G. SMITH.

URBAN DISTRICT COUNCIL OF WOOD GREEN.

REPORT
OF THE
MEDICAL OFFICER OF HEALTH
FOR THE YEAR 1910.

SANITARY DEPARTMENT,

TOWN HALL.

*To the Chairman and Members of the
Urban District Council of Wood Green.*

GENTLEMEN,

In presenting to you the annual report on the Health of the Wood Green Urban District, I feel it a great privilege to be allowed to continue the work which had been performed so ably and so long by the late Dr. Conolly, who had been your Medical Officer of Health ever since the District of Wood Green was separated from that of Tottenham.

His sudden and lamentable death last April is fresh in your memory, and the universal esteem in which he was held by all classes of the community well known to you. I should have liked to have borne testimony to the many virtues of my late friend and colleague ; but in an official communication of this character, I feel that it would be scarcely appropriate.

PHYSICAL FEATURES OF THE DISTRICT.

The District of Wood Green has an area of 1,625 acres.

The subsoil consists of various clays with a shallow pocket of gravel in the Muswell District, beneath which are beds of London clay. The highest point is the site of the Alexandra Palace, which is 300 ft. above ordnance datum, and the lowest point is 56 ft. above ordnance datum at the junction of the Eastern End of the District with Tottenham. The western portion of the District, known as the Alexandra Park District, is uneven and hilly and has the highest altitude. Roughly, the District north of Lordship Lane averages 108 feet above ordnance datum, and the portion south of the Lane about 70 feet above ordnance datum.

POPULATION.

I have followed the method adopted by the late Dr. Conolly in ascertaining the Population of the District, which must be regarded as approximate.

The records of the Surveyor show 75 new houses certified as fit for habitation during 1910. Deducting 7 per cent. for empty houses, and calculating 5·66 persons to each house, the Population in December, 1910, would be about 51,285.

I have, therefore, taken 51,000 as representing the average population for the purpose of this Report.

BIRTHS.

1,142 Births were registered during the year, 577 Boys and 565 Girls, which corresponds to an average rate of 22·39 per 1,000 of the population.

NOTIFICATION OF BIRTH ACT, 1907.

The above Act has been adopted by the Council, and 861 births were notified during the year, or about 75 per cent. of the Registered Births.

DEATHS.

365 deaths were registered in the District during the year.

The County Medical Officer has kindly sent me the usual list of deaths of residents occurring outside the District, viz. 100.

Thus making the total number 465, from which is deducted 5 deaths of non-residents.

The correct number is, therefore, 460, which is equal to an annual rate of 9·19 per 1,000 of the estimated Population.

The average death-rate for the previous 10 years was 10·62.

To compare this death-rate with that of England and Wales, allowance must be made for the more favourable age and sex distribution of the population of Wood Green. This is done by multiplying the recorded death-rate by a "factor for correction" (in our case 1·09801, a figure obtained by the Medical Officer of Health for the County by a somewhat elaborate calculation, founded on the figures of the last census.) The corrected death-rate for Wood Green is 10·08 for the year 1910.

There were 76 deaths of children under one year, which corresponds to a rate 66·54 for every 1,000 births.

The average for the previous ten years was 91·38 deaths to every 1,000 births registered.

The deaths of children under 5 years was 106, which is equal to a rate of 2·07 per 1,000 of the general population, against 2·63 per 1,000 for the past two years.

ZYMOTIC DISEASES.

The deaths from the 7 chief Zymotic Diseases of the Registrar-General (Smallpox, Measles, Scarlet Fever, Diphtheria, Whooping Cough, Fever and Diarrhoea), were 21, which corresponds to an annual rate of ·49, against ·59 per 1,000 in 1909.

No cases of Smallpox or Typhus were notified during the year.

SCARLET FEVER.

Two hundred and four cases of Scarlet Fever were notified, with 1 death, against 300 cases, with 6 deaths, in 1909.

DIPHTHERIA.

One hundred and twenty-four cases were notified, with 8 deaths, against 72 cases, with 9 deaths, in 1909.

This is the largest number of cases of Diphtheria notified since the year 1904, when 171 cases were notified with 17 deaths.

I made special Reports to the Health Committee in May and July. The latter I append at the end of this report.

No fresh development has transpired since my July report.

The following Table gives the number of cases of Scarlet Fever and Diphtheria at particular Schools :—

SCHOOLS ATTENDED.

	Scarlet Fever.					Diphtheria.
NOEL PARK.						
Boys	4	...	—
Girls	5	...	3
Infants	15	...	8
				—		—
				24		11
				—		—
WHITE HART LANE.						
Boys	9	...	5
Girls	8	...	4
Infants	9	...	26
				—		—
				26		35
				—		—
HIGHER GRADE.						
Boys	2	...	—
Girls	3	...	2
				—		—
				5		2
				—		—

	Scarlet Fever.				Diphtheria.		
BOUNDS GREEN.							
Boys	1	...	...	1
Girls	2	...	...	—
Infants	5	...	...	2
				—			—
				8			3
				—			—
ALEXANDRA.							
Boys	11	...	...	—
Girls	4	...	...	1
Infants	6	...	...	3
				—			—
				21			4
				—			—
LORDSHIP LANE.							
Mixed	11	...	...	4
ST. MICHAEL'S.							
Mixed	7	...	...	2
Infants	6	...	...	—
				—			—
				13			2
				—			—
MUSWELL HILL.							
Mixed	15	...	...	—
ST. PAULS.							
Mixed	—	2
NORTH HARRINGAY.							
Harringay	—	—	1
TOTTENHAM.							
High School	1	...	...	—
FROBISHER ROAD.							
Infants	1	...	...	—
PRIVATE SCHOOLS	5	...	...	—
NO SCHOOLS	68	...	...	58

TYPHOID FEVER.

Nine cases were notified, with 2 deaths, against 6 cases, with 1 death, in 1909.

One death occurred in the Isolation Hospital and one at home.

Of 4 cases recorded in the Passmore Edwards Hospital, the first case was that of a patient, and the 3 subsequent were cases among the staff (Nurses)—probably contracted from the first. Of the remaining 5 cases, 3 were undoubtedly contracted outside the District ; 1 was doubtful, and 1 apparently contracted from some cause (not ascertained) within the District.

ERYSIPelas.

Twenty-eight cases were notified during the year with no deaths, against 25 cases with 2 deaths in 1909.

MEASLES.

There were 2 deaths from Measles during the year, the same as 1909.

DIARRHOEA.

There were 2 fatal cases of Diarrhoea, 2 of which were children under one year, against 9 fatal cases in 1909.

WHOOPING COUGH.

There were 6 fatal cases of Whooping Cough in children under 5 years against 2 in 1909.

Seven deaths were attributed to Influenza as a primary cause, against 10 in 1909.

NON-NOTIFIABLE DISEASES.

Non-notifiable diseases such as Measles, Mumps, &c., are brought to our notice by the school Attendance Officers and Head Teachers by means of postcards with which they are supplied, and addressed to me at the Town Hall, so that I may have the earliest opportunity of dealing with any particular School or class which may appear to be affected.

ISOLATION HOSPITAL.

The following 230 cases of Infectious Diseases were removed to the Hornsey Isolation Hospital, namely :—

Scarlet Fever	...	...	...	...	...	139
Diphtheria	...	...	...	...	...	87
Enteric Fever	...	...	...	...	...	4
						—
						230
						—

To the Liverpool Road Hospital :—

Scarlet Fever	...	...	...	...	...	2
						—
						232
						—

The following deaths have occurred in the Hornsey Isolation Hospital :—

Disease.	Age.	Days after Admission.	Cause of Death.
1. Diphtheria ...	10	16	Diphtheria (Cardiac failure).
2. Diphtheria ...	7	9	Diphtheria (Cardiac failure).
3. Diphtheria ...	10 months	12	Diphtheria.
4. Diphtheria ...	7	32	Diphtheria (Cardiac Paralysis).
5. Scarlet Fever ...	5	19	Scarlatina.
6. Enteric Fever ...	27	45	Enteric Fever.

RETURN CASES.

Every care is exercised in discharging patients from the Hospital, and printed precautions are given to the parents of the children discharged for their guidance, but the precautions are not always carried out, hence (in common with other Isolation Hospitals), there will always be a certain number of return cases.

The following return cases have occurred during the year :—

Disease.		Days after Discharge of Patient.		Number of Cases.
Diphtheria ...	...	6	...	1
Diphtheria ...	...	7	...	1 } same family.
Diphtheria ...	...	10	...	2 same family.
			Total	4

In this last case, I took swabs from the Nose and Throat of the discharged patient, and finding the Diphtheria Bacilli present in the former swab, but not in the latter, she was immediately sent back to the Hospital.

Disease.		Days after Discharge from Hospital.		Number of Cases.
Scarlet Fever	...	10	...	1
Scarlet Fever	...	5	...	1
Scarlet Fever	...	21	...	2 same family.
			Total	4

GENERAL METHODS OF DEALING WITH INFECTIOUS CASES.

On receipt of notification, prompt investigations are made into each case, and careful notes are made at the time of matters and data likely to be of value for tracing the source of infection. Those cases requiring removal are taken to the Isolation Hospital by ambulance as expeditiously as possible.

An Agreement has to be signed by the parents or nearest relations, to contribute towards the cost of maintenance in Hospital, exceptions being made in cases of the very poor.

Notices are immediately dispatched to the Sunday, Day Schools and the Library. No scholar from the infected house is allowed to return to School without an authorizing certificate given by this Department. All the Agreements are reviewed and dealt with by the Committee subsequently.

A list of names and addresses of all Sunday School Superintendents are kept at the Office, so that early information can be forwarded to them.

I have to acknowledge the ready help we have received from them and also from the teachers in Private Schools in carrying out the regulations.

Outfits for the diagnosis of Diphtheria and Typhoid, as well as a supply of antitoxin is kept at the Office, the residence of the Medical Officer of Health and chief Sanitary Inspector.

The Head Teachers are supplied with Exclusion Forms in triplicate, and they have instructions from the Education Committee to exclude any child about whom they have doubt, or whom they believe to be suffering from such diseases as Ringworm, Whooping Cough, Measles, Vermin, &c.

A copy is sent home with the child excluded, addressed to the parent, and a copy is also sent to me at the Town Hall, so that I am kept informed, and enquiries can be made into the cases so excluded.

I include the Table of Exclusions in the School Report.

DISINFECTION.

Rooms are disinfected after the removal or recovery of patients, with a solution of Formalin, or Formaldehyde Gas, the bedding, &c., being removed to the Disinfecting Station, where they are treated in a Washington-Lyon steam disinfecter of the latest pattern.

Notice is served upon the owner to strip the paper of walls, wash paint, &c., with special note at the foot of each notice that paper so stripped must be burnt.

During the Summer Holidays all the Schools, including Cloak-rooms and Class-rooms, were disinfected with a solution of Formalin, and Muswell Hill School was again done during the Christmas Holidays, the walls, ceilings and furniture being thoroughly washed. This was done on account of cases of Scarlet Fever occurring among Scholars from this School.

PULMONARY TUBERCULOSIS.

Eleven notifications have been received under the Public Health (Tuberculosis) Regulations, 1908, and 2 Voluntary Notifications, all of which have been visited, and advice given as each case demanded.

Seven of the cases were removed to the Edmonton Infirmary for treatment ; 4 of the cases died at home, and 2 went to the Brompton Chest Hospital for treatment.

In 5 instances we persuaded the relations to have the rooms, bedding, &c., disinfected.

The cases Notified under the Regulations referred to were as follows :—

Sex.	Age.	Married or Single.	Children	Remarks.
Male ...	40	Married	1 Child	—
Female ...	30	Widow	4 Children	Husband died from Pulmonary Tuberculosis about 3 years.
Male ...	44	Widower	1 Child	—
Female ...	31	Married	No Children	—
Female ...	53	Widow	No Children	—
Female ...	25	Married	No Children	—
Female ...	45	Married	3 Children	—
Female ...	21	Single	—	—
Female ...	23	Single	—	—
Male ...	53	Single	—	—
Female ...	18	Single	—	—

During the year an enquiry was held by the Local Government Board and sanction obtained for a part of the Small Pox

Hospital at South Mimms to be used as a Sanatorium for Pulmonary Tuberculosis by the contributing Authorities in Middlesex (of which Wood Green is one).

WATERCOURSES.

The Council have this year completed inverting and culverting the second part of the Moselle Brook which was an open stream taking surface water drainage from Hornsey and Wood Green, entering the West side of the District from Hornsey, passing under High Road and leaving the District on the East side through Tottenham.

This open stream was the cause of numerous complaints both as to nuisance and flooding, passing as it did through the gardens, &c., of the houses in the lowest part of the District. The Council have now completed the culverting of the Brook from the East side of the High Road to the Hornsey Boundary. Although flooding of the District has been prevented to an appreciable degree, I am afraid that during very heavy rainfall this District will still suffer in certain low lying parts, until the Tottenham Council culvert the portion of the Brook in their District.

The Muswell Brook which takes the surface water from Muswell Hill (in the Districts of Wood Green and Hornsey) takes a meandering course through the District until it reaches Pymms Brook in Southgate. The improvement of this Brook is, I am glad to say, under the consideration of the Council at the present time and Plans are being prepared by the Engineer with a view of straightening and culverting it.

During the abnormal rainfall in April last, both streams overflowed their banks, depositing sludge and dirt upon the road and in some of the houses. It is interesting to note that Diphtheria became prevalent a few days afterwards—a coincidence probably.

These streams are the relics of the time when Wood Green was open country.

OPEN SPACES.

The District is well provided with open spaces, indeed for its size I should say it is as well provided with open spaces as any District round London and I think the Council are to be congratulated upon the effort they have always made in that direction.

The total area of open spaces in the District is about 253 Acres, 17 acres being added during the present year, of land abutting on to White Hart Lane, which it is proposed shall be laid out as Playing Fields.

BATHS.

The Inspector in his report records the number that have used the open air baths rented by the Council at the Alexandra Park.

The erection of the buildings for Swimming and Slipper Baths on the site in Western Road opposite Alexandra Schools is making good progress and will probably be ready for opening about the middle of 1911.

These Baths will no doubt prove a boon to the occupiers of the many houses where proper bathing facilities are not provided; and I am hoping that full use of them will be made for teaching swimming and cleanliness to the scholars of the schools in the District.

DRAINAGE.

All the houses in the District are connected to the Drainage System of the Council, there being no cesspools.

The System of Drainage is dual, the soil drains being connected to the Main Sewers which are continued into the London County Council Sewers, and the Sewage dealt with by the London County Council, by arrangement with a Joint Drainage Committee consisting of representatives from Wood Green and Tottenham.

The Surface water drains are discharged into the Council's Surface Water Sewers which flow into the Moselle and Muswell Brooks, and finally, I understand, discharge into the River Lea.

The whole of the District is provided with the water carriage system of sewage and W.C.'s, except two Isolated Factories at the extreme end of White Hart Lane where the Council have not yet provided a sewer, but when this part of the District becomes developed, no doubt some arrangement will be made for connecting these premises.

SANITARY CONVENIENCES.

There are two Sanitary Conveniences erected by the Council, one underground at the important tram junction where the High Road, Lordship Lane and Station Road meet.

The second convenience overground, is in Station Road opposite the G.N. Railway Station and close to the bridge over the railway leading to the Alexandra Palace.

FOOD AND MILK.

The Middlesex County Council are the Authority for the taking of Samples under the Food and Drugs Act, and by the courtesy of Mr. R. A. Robinson, chief of that Department, I am enabled to give the number of Samples taken during the year, namely:—

SAMPLING IN WOOD GREEN BY COUNTY OFFICIALS.

YEAR ENDED DECEMBER 31ST, 1910.

Article.			Number Purchased.			Number Adulterated.
Butter ...	...	...	146	...	...	2
Milk ...	...	...	71	...	...	5
Cinnamon ...	...	...	2	...	...	—
Lard ...	...	...	1	...	...	—

Number of Prosecutions 2

Number of Convictions... ... 2

NOTE.—Some of the adulterated Samples were taken informally, and therefore no proceedings were instituted in respect of these.

By arrangement with the County Council our Inspectors have during the year taken about 45 Informal Samples of Milk and Butter and submitted them to the County Analyst.

I have personally visited all the Slaughter Houses, Bakehouses, and most of the Milkshops in the District.

Four out of the five Slaughter Houses in the District are little used (one in fact being only used occasionally), and while none of them meet with modern requirements they are kept in a fairly good condition.

The time must come when all meat for human consumption will have to be slaughtered in Public Abattoirs ; and probably small Districts will join together for the purpose of erecting these necessary adjuncts to Public Health. The cost of erecting a Public Abattoir for a District like Wood Green would almost be prohibitive. Under existing circumstances, nearly the whole of the meat sold in the District is purchased from the Markets in London.

HOUSING ACCOMMODATION ESPECIALLY FOR WORKING CLASSES.

The District is fortunately situated with respect to homes for the Working classes.

The Noel Park Estate, being entirely in the District of Wood Green, consists of about 2,379 houses and flats with rentals from 5/6 to 16/- per week, this providing accommodation for Working and Artisan Classes.

The houses and flats recently built on this Estate are provided with baths.

In that part of the District, known as the Granville Estate, flats are also provided at average rentals of about 9/- per week. These are owned by various people.

WATER SUPPLY.

The District is supplied with a constant service of water by the Metropolitan Water Board (New River District), water being laid on to each house. The whole of the houses on the Noel Park Estate have their supply direct from the main-service pipe without any storage cisterns. We are gradually getting the remaining houses in the District to take a supply direct from the main-service pipe for dietary purposes.

There is no supply of water in the District other than from the Metropolitan Water Board.

HOUSING, TOWN PLANNING, &c., ACT, 1909.

Advantage has been taken of the above Act in dealing with Finsbury Cottages (9 houses) and Grove Place (16 houses).

I am glad to be able to report that, without having to bring the above premises formally before the Council, the Owner of Finsbury Cottages put the premises into a thorough state of repair at a considerable cost; and the Owner of Grove Place has demolished the whole of the 16 houses rather than spend the money that would have been required to put the premises in a habitable condition.

At the close of the year I had under observation, several other premises with which I shall deal with under the above Act, and will report in due course.

HOUSE REFUSE AND DESTRUCTOR.

Eight covered carts are regularly employed in the collection of house refuse, which is collected weekly, with a daily collection from the shops and business premises of trade refuse which is likely to become a nuisance if kept for any length of time.

All the refuse is carted to the Destructor in Western Road, erected almost in the centre of the District.

The refuse Destructor is the Heenan and Froude type, and is well able to destroy all the refuse that will be brought from the District for many years to come, the Council having wisely provided two sets of cells while they were erecting the Destructor.

The heat from the Destructor already drives the machinery for supplying Electric Light to the Depot, and will be utilised for the heating, etc., of the Baths now in course of erection, on the same site as the Destructor.

WORKSHOP, WORKPLACES AND OUTWORKERS.

All the Workshops and Workplaces in the District have been kept under due surveillance, and in no instance has any case of Infectious Disease been notified from any of the Workshops, &c., in the District.

The chief industry appears to be Blouse making and Ladies' Underclothing for the large shops in town.

I append to this Report a resumé of the work effected during the year in compliance with the Factory and Workshop Act, 1901.

WARDS.

Upon the application of the Council, an enquiry was held by the County Council for the District to be divided into Wards. An order has been issued that the District be divided into 5 Wards with 18 Members, an increase of 6 Members (on the District Council).

Our records, therefore, for the future will show the Birth and Death Rate, &c., for the various Wards (*i.e.* parts of the District for the purposes of comparison).

BYELAWS AND REGULATIONS.

The following Byelaws and Regulations (among others) are in force in the District :—

Byelaws with respect to Slaughterhouses, made 1891.

Byelaws for the Precaution of Nuisances arising from Snow, Filth, Dirt, Ashes and for the Prevention of Keeping Animals, &c., made 1901.

Regulations under the Dairies, Cowsheds and Milkshops Order, made 1891.

Byelaws with respect to Houses let in Lodgings (now before the Local Government Board).

Byelaws for Paving of Yards, &c., made 1893.

Byelaws with respect to Tents and Vans, made 1909.

The Wood Green District Council Act, made 1903 :—

Ice Cream Dealers,

Tuberculous Milk,

Giving of Notice before Alteration of Drains, &c., &c.

I take this opportunity of thanking the Members of the Sanitary Staff, and especially Mr. Adams, who have loyally supported my efforts during the time I have had the honour of acting as your Medical Officer of Health; also of acknowledging the courtesy and co-operation of the Council's Officials with whom I have been brought into contact.

I am, Gentlemen,

Your obedient Servant,

T. SLATER JONES.

Medical Officer of Health.

Vital Statistics of Whole District during 1910 and previous Years.

Year.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.			NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.		
				Under 1 Year of Age.		At all Ages.			
		Number.	Rate per 1,000. Est. pop.	Number.	Rate per 1,000 Births regist'r'd	Number.	Rate per 1,000. Est. pop.	Number.	Rate per 1,000. Est. pop.
1900	35,000	900	25.71	137	152	393	...	2	11.28
1901	34,350	939	27.53	125	133	398	...	2	11.55
1902	36,500	1,023	28.02	113	110	391	11.58	13	10.90
1903	38,000	1,137	29.92	112	98	365	10.71	9	10.08
1904	40,930	1,161	28.34	145	125	454	9.60	18	11.38
1905	43,150	1,158	26.83	96	84	368	8.52	15	10.10
1906	46,000	1,232	26.78	127	103	420	9.12	25	10.60
1907	49,000	1,449	29.57	100	68	461	9.40	28	11.28
1908	50,500	1,282	25.38	105	81.90	384	7.60	11	9.05
1909	50,500	1,207	23.90	91	75	420	8.31	16	10.0
Averages for years 1900-1909	42,393	1,148	27.19	115	91.38	405	7.48	13	10.62
1910	51,000	1,142	22.39	74	64.71	364	7.13	6	4.47

Area of District in acres (exclusive of area covered by water), 1631.

Total population at all ages

Number of inhabited houses

Average number of persons per house

At Census 1901. } 34,233
At Census 1902. } 6,048
At Census 1903. } 5.56

Institutions within the District receiving sick and infirm persons from outside the District—Passmore Edwards' Cottage Hospital, Edmonton Isolation Hospital, Hornsey Workhouse, Institutions outside the District receiving sick and infirm persons from the District—Hornsey Workhouse,

Causes of, and Ages at, Death during the Year 1910 in
the Urban Sanitary District of Wood Green.

CAUSES OF DEATH.	DEATHS AT THE SUBJOINED AGES OF "RESIDENTS," WHETHER OCCURRING IN OR BEYOND THE DISTRICT.							Total Deaths of 'Residents' or 'Non- Residents' in Public Insti- tutions in the District.
	All Ages.	Under 1 year.	1 and Under 5.	5 and Under 15.	15 and Under 25.	25 and Under 65.	65 and up- wards	
Small-pox ...	...	...	...	...	...	...	...	...
Measles ...	2	1	1	...	...	...	...	...
Scarlet Fever ...	1	...	...	1	...	...	...	...
Whooping-Cough ...	6	3	3	...	...	...	...	...
Diphtheria (including Memb. Croup)	8	1	3	4	...	...	...	...
Croup ...	...	...	...	...	...	...	...	...
Fever { Typhus ...	...	...	...	...	...	...	...	...
Fever { Enteric ...	2	...	...	...	...	2	...	...
Fever { Other continued	...	...	...	...	...	...	...	...
Epidemic Influenza ...	7	...	1	...	...	3	3	...
Cholera ...	...	...	...	...	...	...	...	...
Plague ...	...	...	...	...	...	...	...	...
Diarrhoea ...	2	2	...	...	...	...	...	...
Enteritis ...	4	2	1	...	...	1	...	...
Gastritis ...	2	1	...	...	...	1	...	...
Puerperal Fever ...	2	...	...	...	...	2	...	...
Erysipelas ...	...	...	...	...	...	...	...	...
Phthisis (Pulmonary Tuberculosis)	37	...	2	...	5	29	1	...
Other Tuberculous Diseases	15	1	6	2	1	4	1	1
Cancer, Malignant Disease	41	...	...	...	...	30	11	...
Bronchitis ...	29	4	...	...	2	6	17	...
Pneumonia ...	23	6	4	...	...	10	3	...
Pleurisy ...	...	...	...	...	...	...	...	...
Other Diseases of Respiratory Organs	4	...	...	...	...	2	2	...
Alcoholism {	7	...	...	...	...	3	4	...
Cirrhosis of Liver {	...	...	...	...	...	...	...	...
Venereal Diseases ...	1	1	...	...	...	...	...	...
Premature Birth ...	12	12	...	...	...	...	...	...
Diseases and Accidents of Parturition	2	2	...	...	...	...	...	...
Heart Diseases ...	46	...	1	3	...	26	16	1
Accidents ...	9	5	1	...	1	1	1	1
Suicides ...	2	...	...	...	...	1	1	...
Wilful Murder ...	...	...	...	...	...	...	...	1
All other Causes ...	196	35	7	4	17	49	84	2
ALL CAUSES ...	460	76	30	14	26	170	144	6

Cases of Infectious Diseases Notified during the Year
1910 in the Urban Sanitary District of Wood Green.

NOTIFIABLE DISEASES.	CASES NOTIFIED IN THE WHOLE DISTRICT.						TOTAL CASES REMOVED TO HOSPITAL.	
	At all Ages.	At Ages—Years.						
		Under 1 year.	1-5.	5-15.	15-25.	25-65.		
Small Pox	...	...	...	...	...	...	...
Cholera	...	...	...	...	...	...	...
Diphtheria (in- cluding Mem- bran'us Croup)	124	2	30	75	11	6	...	
Erysipelas	28	2	2	1	6	17	...	
Scarlet Fever	204	...	42	138	13	11	...	
Typhus Fever	...	...	...	...	...	...	...
Enteric Fever	9	...	...	1	3	5	...
Relapsing Fever	...	...	...	...	...	...	...
Continued Fever	...	...	...	...	...	...	...
Puerperal Fever	3	...	...	...	1	2	...
Plague	...	...	...	...	...	...	...
TOTALS	368	4	74	215	34	41	232	

Total cases removed to Hornsey Isolation Hospital, Coppetts Road, Muswell Hill	...	...	...	...	...	230
Total available Beds	...	...	...	...	...	130
No. of Diseases that can be concurrently treated	...	...	...	...	...	3

Infantile Mortality during the Year 1910.

Deaths from Stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.		Under 1 Week																
		1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.	
All Causes.	{ Certified ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Uncertified	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Common Infectious Diseases	{ Small Pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chicken Pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Measles ...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...
	Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Diphtheria : Croup	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	1
	Whooping Cough	...	...	...	...	...	...	...	...	...	1	...	1	...	1	3	3
	Diarrhoea, all forms	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	2
Diarrhoeal Diseases	{ Enteritis, Muco-enteritis, Gastro-enteritis ...	1	...	1	...	...	1	...	...	...	...	...	...	...	...	2	2
	Gastritis, Gastro-intestinal Catarrh	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
	Premature Birth	9	...	1	...	10	...	1	...	1	...	...	...	...	...	...	12
	Congenital Defects	3	...	...	3	...	...	1	...	...	...	...	...	...	...	...	4
Wasting Diseases	{ Injury at Birth	3	...	...	3	...	...	...	...	...	...	...	...	...	...	...	3
	Want of Breast Milk, Starvation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Atrophy, Debility, Marasmus	2	...	3	...	5	1	...	2	...	2	...	...	...	...	...	10
	Tuberculous Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculous Diseases	{ Tuberculous Peritonis : Tabes Mesenterica	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Other Tuberculous Diseases	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	1
	Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Syphilis ...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
	Rickets ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Meningitis (not Tuberculous)	...	...	...	...	...	...	1	...	1	...	1	...	...	...	...	3
Other causes.	{ Convulsions	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bronchitis ...	...	...	...	1	...	1	...	...	...	1	...	1	...	1	...	4
	Laryngitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pneumonia	...	...	...	...	...	1	...	2	...	1	...	1	...	1	...	6
	Suffocation, overlaying	...	...	2	...	2	1	...	2	...	...	...	...	...	...	...	5
	Other Causes	2	1	...	1	5	...	2	1	...	8	...	1	...	1	17	17	
	TOTALS	19	1	7	4	32	3	2	12	3	3	2	3	10	3	2	76

Table of the Chief Zymotic Diseases according to the Localities in which they occurred.

	SCARLET.		DIPHTHERIA.		TYPHOID.		DIARRHœA.	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
1. WEST WOOD GREEN.								
High Road ...	6	...	5	2	...	...	...	...
Mayes Road ...	1	...	1	...	...	...	...	...
Alexandra Road ...	1	...	1	...	...	...	...	...
Hornsey Park Road ...	4	...	1	...	...	...	...	...
Park Ridings ...	1	...	1	...	...	...	...	...
Brook Road ...	2	...	...	...	...	...	...	...
Caxton Road ...	1	...	...	...	...	...	...	...
Lawton Road ...	1	...	...	...	...	...	...	...
Coburg Road ...	...	...	3	1	...	...	...	...
Western Road ...	2	...	1	...	...	...	...	...
Clarendon Road ...	3	...	...	...	...	...	...	...
Station Road ...	1	...	...	...	...	...	...	...
Ringslade Road ...	1	...	2	...	...	...	...	...
Warberry Road ...	6	...	...	...	...	...	...	...
Selborne Road ...	1	...	...	...	...	...	...	...
Crescent Road ...	2	...	...	...	...	...	...	...
Palace Gates Road ...	2	...	...	...	...	...	...	...
Alexandra Park Road ...	1	...	1	...	...	...	...	...
Victoria Road ...	7	...	1	...	...	...	...	...
Albert Road ...	2	...	1	...	...	...	...	...
Dagmar Road ...	1	...	...	...	...	...	...	...
Thirlmere Road ...	3	...	...	...	...	...	...	...
The Avenue ...	2	...	...	...	1	...	...	...
Buckingham Road ...	...	...	1	...	...	...	...	...
Windermere Road ...	1	...	...	...	...	...	...	...
Clyde Road ...	3	...	...	...	...	...	...	...
Cranbourne Road ...	2	...	...	...	...	...	...	...
Wolseley Road ...	1	...	3	...	...	...	...	...
River Park Road ...	...	...	2	...	...	...	...	...
Donovan Avenue ...	1	...	...	...	...	...	...	...
Roseberry Road ...	1	...	...	...	...	...	...	...
Silsoe Road ...	1	...	...	...	...	...	...	...
	61	...	23	3	1	...	...	...
2. CENTRAL.								
Herbert Road ...	1	...	1	...	...	...	...	...
Bounds Green Road ...	2	...	...	...	3	...	...	...
Myddleton Road ...	...	...	2	...	...	...	...	...
Marlborough Road ...	1	...	...	...	...	...	...	...
Clarence Road ...	1	...	...	...	...	...	...	...
Truro Road ...	4	...	...	...	...	...	...	...
Nightingale Road ...	...	...	4	...	...	...	...	...
Commerce Road ...	3	...	1	...	1	1	...	...
Queens Road ...	2	...	2	...	...	...	...	...
Richmond Road ...	1	...	...	...	...	...	...	...
Maidstone Road ...	2	...	...	...	...	...	...	...
Brownlow Road ...	1	...	...	...	...	...	...	...
Sidney Road ...	4	...	3	...	...	...	...	...
Braemar Avenue ...	1	...	...	...	...	...	...	...
Whittington Road ...	6	...	...	...	1	...	...	...
Trinity Road ...	1	...	1	...	...	...	...	...
Parkhurst Road ...	1	...	...	...	...	...	...	...
Finsbury Road ...	...	...	1	...	...	...	...	...
	31	...	15	...	5	1	...	...
3. NOEL PARK.								
Bury Road ...	3	...	...	...	...	...	...	...
West Beech Road ...	3	...	1	...	...	...	...	...
Pelham Road ...	4	...	1	...	...	...	...	...
Lymington Avenue ...	8	...	1	...	...	...	...	...
Gladstone Avenue ...	6	...	8	...	...	...	...	...
Farrant Avenue ...	2	...	...	...	...	...	...	...
Morley Avenue ...	3	...	2	...	1	...	...	...
Moselle Avenue ...	8	...	3	1	...	...	...	...
Salisbury Road ...	...	...	2	...	1	...	...	...
Vincent Road ...	1	...	3	...	...	...	...	...
Hewitt Avenue ...	3	...	2	...	...	...	...	...
Russell Avenue ...	2	...	1	...	...	...	...	...
Dovecote Avenue ...	1	...	...	...	...	...	...	...
Darwin Road ...	1	...	...	...	...	...	...	...
	45	...	24	1	2	...	...	...
4. EAST WOOD GREEN.								
Lyndhurst Road ...	2	...	...	...	...	...	...	...
Maryland Road ...	1	...	...	...	...	...	...	...
Arcadian Gardens ...	4	...	1	...	...	...	...	...
Sylvan Avenue ...	4	...	1	1	...	...	...	...
Pellatt Grove ...	1	...	1	...	...	...	...	...
Winkfield Road ...	...	...	6	1	...	...	...	...
Acacia Road ...	6	...	6	...	...	...	...	...
Lordship Lane ...	2	...	1	...	...	...	...	...
Wellesley Road ...	...	...	2	...	...	...	...	...
Granville Road ...	3	1	9	...	...	...	...	...
Eldon Road ...	2	...	1	...	...	...	...	...
Metrose Avenue ...	1	...	1	...	...	...	...	...
Norman Avenue ...	...	...	2	1	...	...	...	...
Sandford Avenue ...	5	...	1	...	...	...	...	...
Homecroft Road ...	4	...	2	...	...	...	1	1
Willingdon Road ...	2	...	1	...	1	1	...	...
Meads Road ...	1	...	...	...	...	...	...	...
Cobham Road ...	1	...	...	...	...	...	...	...
Whymark Avenue ...	...	...	1	...	...	...	...	...
Westbury Avenue ...	2	...	2	...	...	...	...	...
Cranbrook Park ...	3	...	...	...	...	...	...	...
St. Alban's Crescent ...	...	...	...	...	...	...	...	...
Solway Road ...	1	...	2	...	...	...	...	...
Dunbar Road ...	3	...	1	1	...	...	...	...
Perth Road ...	4	...	1	...	...	...	...	...
White Hart Lane ...	4	...	1	...	...	...	...	...
Williams Grove ...	1	...	...	...	...	...	...	...
Gathorne Road ...	2	...	...	...	...	...	...	...
Kings Road ...	2	...	15	...	...	...	1	1
Ewart Grove ...	...	...	1	...	...	...	...	...
Woodside Road ...	2	...	1	...	...	...	...	...
Berwick Road ...	2	...	...	...	...	...	...	...
Canning Crescent ...	...	...	2	...	...	...	...	...
Boreham Road ...	4	...	...	...	...	...	...	...
	67	1	62	4	1	1	2	2
	204	1	124	8	9	2	2	2

Factories, Workshops, Laundries, Workplaces, and Homework.

1.—INSPECTION.

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS OR INSPECTORS OF NUISANCES.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
FACTORIES	—	—	—
(Including Factory Laundries.)			
WORKSHOPS	225	—	—
(Including Workshop Laundries.)			
WORKPLACES			
(Other than Outworkers' premises included in Part 3 of this Report.)			
TOTAL	225	—	—

2.—DEFECTS FOUND.

Particulars.	Number of Defects			Number of Prosecutions.
	Found.	Remedied.	Referred to H.M. Inspector.	
<i>Nuisances under the Public Health Acts:—</i>				
Want of Cleanliness...	4	4
Want of Ventilation...	—	—
Overcrowding	—	—
Want of Drainage of Floors	—	—
Other Nuisances	—	—
Sanitary Insufficient Accommo- dation	... Defective	...	— 2	— —
Not Separate for Sexes	...	—	—	—
<i>Offences under the Factory and Workshop Act:—</i>				
Illegal Occupation of Underground Bakehouse (s. 101)	—	—
Breach of Special Sanitary Requirements for Bakehouses (ss. 97 to 100)	—	—
Other Offences (Excluding Offences relating to Outwork which are included in Part 3 of this Report.)	...	—	—	—
TOTAL	6	6	—	—

3.—HOME WORK.

WEARING APPAREL—MAKING, &c.

Outworkers' Lists, Section 107—

Lists Received from Employers—

Twice in the Year—Lists	...	...	...	...	...	...	...	2
Outworkers—Contractors	...	...	...	...	...	...	...	2
Outworkers—Workmen	...	...	...	...	...	...	...	30
Numbers of Addresses of Outworkers received from other Councils	...							145
Numbers of Addresses of Outworkers forwarded to other Councils	...							33
Numbers of Inspections of Outworkers' Premises...	...	...	...	...	...	...	...	142

4.—REGISTERED WORKSHOPS.

WORKSHOPS ON THE REGISTER (S. 131) AT END OF YEAR.

Important Classes of Workshops, such as Workshop Bakehouses may be enumerated here.

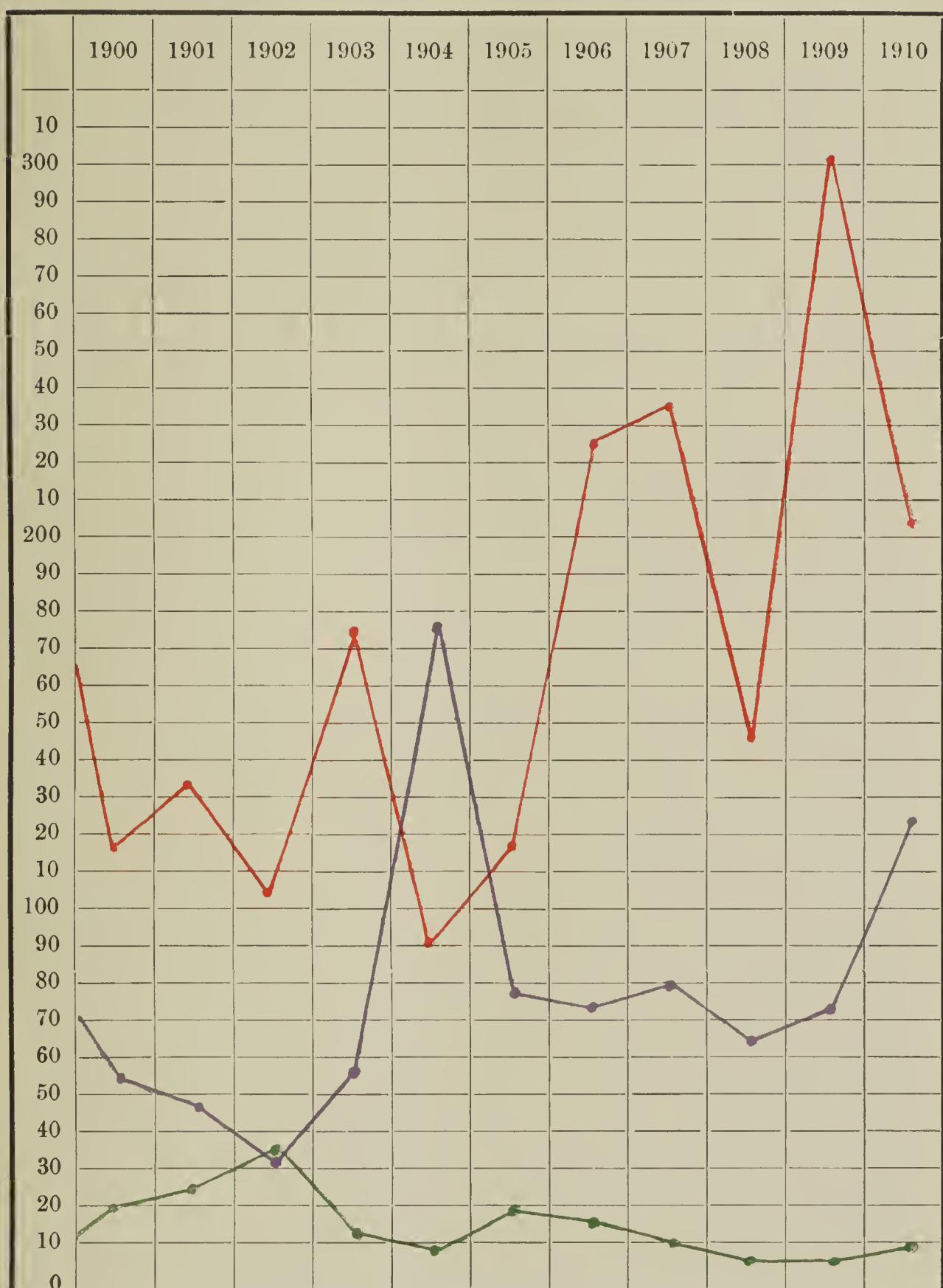
Dressmakers	...	...	...	...	...	...	...	...	18
Milliners	...	...	...	...	...	...	...	...	7
Blouse Makers	...	...	...	...	...	...	...	...	6
Dining Rooms	...	...	...	...	...	...	...	...	13
Laundries...	...	...	...	...	...	...	...	...	8
Bakehouses	...	...	...	...	...	...	...	...	22
Other Workshops (various)	...	...	...	...	...	...	...	...	13
Total Number of Workshops on Register	...	...	...	...	...	...	...	...	87

5.—OTHER MATTERS.

Matters Notified to H.M. Inspector of Factories—

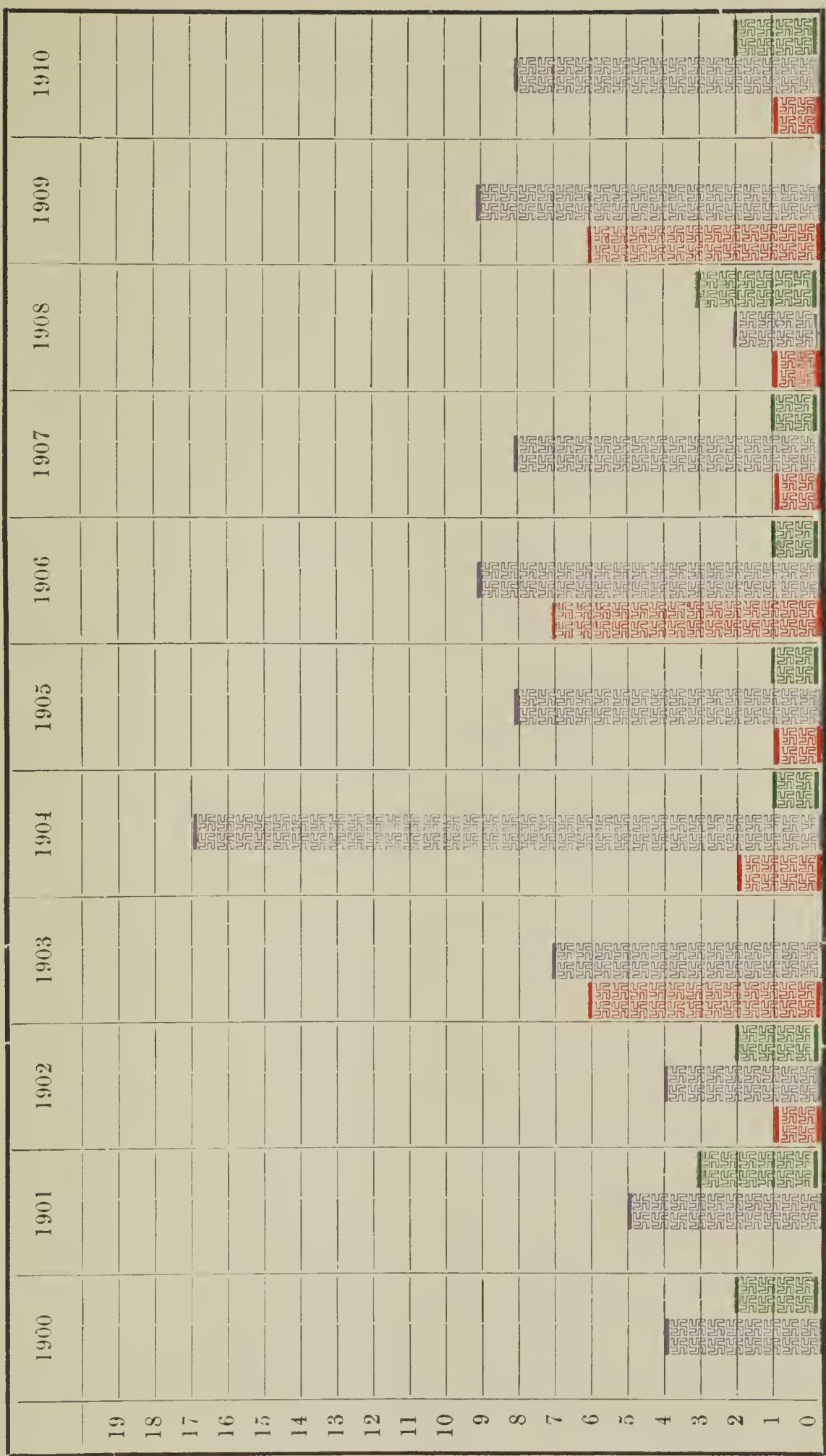
Failure to affix Abstract of the Factory and Workshop Act (s. 133)	...	...	—
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (s. 5)—			
Notified by H.M. Inspector...	...	...	1
Reports (of action taken) sent to H.M. Inspector	...	...	1
Other	...	...	—
Underground Bakehouses (s. 101)—			
Certificates granted during the year...	...	...	—
In use at the end of the year ...	...	...	1

CHART OF
SCARLET FEVER, DIPHTHERIA AND TYPHOID
For the past Ten Years—1900-1910.



— SCARLET FEVER.
— DIPHTHERIA.
— TYPHOID.

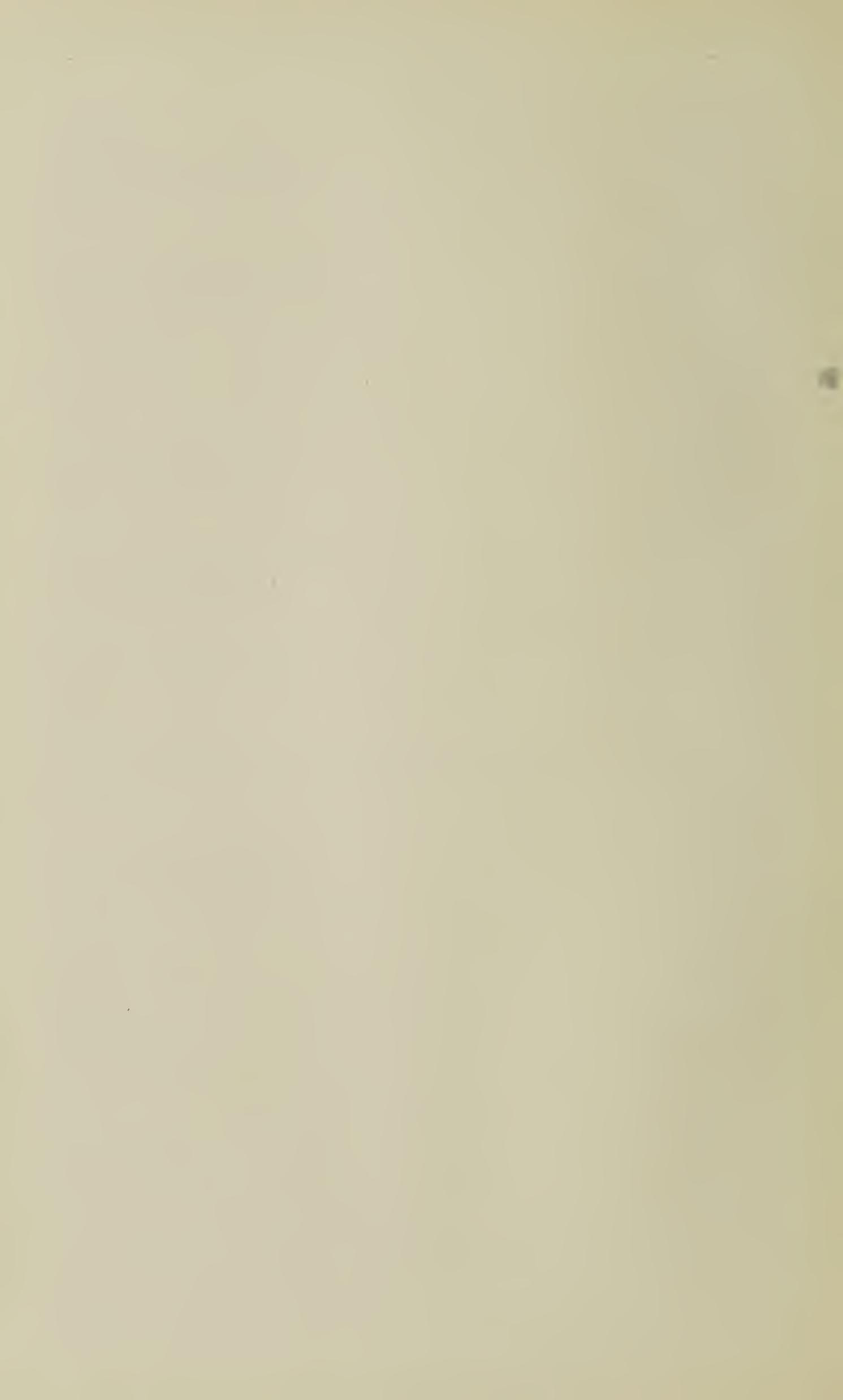
CHART SHOWING THE NUMBER OF DEATHS FROM SCARLET FEVER, DIPHTHERIA AND TYPHOID for the past Ten Years—1900-1910.



SCARLET FEVER.

DIPHTHERIA.

TYPHOID.



SANITARY DEPARTMENT.

Town Hall,

Wood Green,

6th July, 1910.

*To the Chairman and Members of the
Health and Sanitary Committee.*

GENTLEMEN,

I beg to present my Report upon the recent outbreak of Diphtheria.

From the 11th April to the 8th June, there were 42 cases of Diphtheria notified.

From 1 house	5 cases were notified	...	...	...	5
„ 1 „	3 „ „ „	... ... ...	...	...	5
„ 6 houses	2 „ „ „	in each house	...	12	
„ 22 „	1 case was notified in each house		...	22	
			Total	...	42
					—

Schools Attended.

Eighteen cases did not attend School (17 under School age and 1 male adult).

13 cases attended the White Hart Lane Infants' Department Miss Atkin's Class.

1 case	„	„	„	„	„	Miss Cox's Class.
1 „	„	„	„	„	„	Miss Colvin's Class.
2 cases	„	„	„	„	„	Miss Ward's Class.
1 case	„	„	„	„	„	Girls' Department.
2 cases	„	„	„	„	„	Boys' Department.
1 case	„	Alexandra Boys' Department.				
2 cases	„	Noel Park Infants' „				
1 case	„	Boys' „				
Total	42.					

Milk Supply.

In the 30 houses affected :—

4 obtained their Milk Supply from ... Howard.

1 " " " " ... Legge.

1 " " " " ... Clifford.

1 " " " " ... Farnborough.

1 " " " " ... Manor Farm Dairy.

2 " " " " ... Abbott Bros.

3 " " " " ... Emerton.

1 " " " " ... Day.

1 " " " " ... Cleveland Farmers.

3 " " " " ... Friern Manor Dairy.

1 " " " " ... Williams, Palmers Green.

8 used Condensed Milk.

3 had no regular Milkman, but obtained their supply from various dealers as they required it.

Neighbourhood.

Taking White Hart Lane and Trinity Road as a dividing line of the District, 9 cases were notified on the North side of the District, the remainder on the South side.

History of the Outbreak.

On the 11th and 15th April, 2 cases were notified, but the first cases so far as the outbreak, was concerned were notified on the 24th April, *i.e.*, eight days after the heavy rains—*viz.*, 2 children attending the White Hart Lane Infants Department (Miss Atkin's Class). Both cases were taken to the Isolation Hospital without delay. On the 26th April, 5 cases were notified, 4 attending White Hart Lane School. On the same day I attended the School and examined the throats of all the children present in Miss Atkin's Class, and gave instructions for all children complaining in any way of sore throat, to be excluded from School, the names and addresses to be taken and sent to the Town Hall.

This was done, and each case was inquired into at the homes of the Children by the Inspectors, while I attended

the Schools daily to examine the throats of any children that appeared suspicious; in this way I discovered two children attending School with the Diphtheria Bacillus in their throats.

Towards the end of the week ending the 20th April, one or two more cases were notified from other Classes in the Infants' Department, and I therefore communicated with the Education Secretary, and had the Infants' Department closed for 14 days, the Whitsuntide Holidays following. The School was thus closed from the 2nd to the 23rd May (three weeks altogether).

Since that date only 3 cases have been notified in children attending this School (2 in the Infants' Department and 1 in the Boys' Department).

Full advantage has been taken of swabbing all suspicious throats of children in the School brought to my notices by the Sanitary Staff and School Nurse.

Probable Causes.

On account of the diffusible nature of the Diphtheretic virus, it becomes a matter of great difficulty to determine which of the numerous factors likely to produce the epidemic are the true ones. However, I venture to bring to your notice the following points, *viz* :—

(a) *Milk Supply.*

The Milk Supply as a cause may be dismissed in a few words, for it will be seen from the Table at the beginning of the Report, that the supply was fairly distributed, and from the records which are kept in the Office, it is shown that retailers were supplied from different farms, and that there was no likelihood of a mixture of the milk having taken place.

(b) *The heavy rains of the 16th April and the overflowing of the Surface Water Drains Sewers.*

Owing to the heavy continuous rain on the 16th April, certain parts, particularly the South side of the District, were

flooded. The Surface Water Sewers being unable to take the abnormal quantity of rainfall, the drains overflowed, bringing back into the roads and many of the houses the black sludge and filth of the drains. Hot dry weather immediately followed, the sludge dried quickly into dust, and the particles of dust in the air when inhaled may have been the cause of numerous sore throats which were prevalent ; and assuming the presence of the Diphtheria bacilli in the dried sludge, this may have contributed to the Diphtheria outbreak.

In connection with cases from the School, it has to be mentioned that the sludge from the road gullies was deposited on a piece of land, in the ownership of the Council, at a corner in White Hart Lane about 200 yards from the School.

Against the assumption that the dried sludge was a probable cause of the outbreak, it must be stated that the inmates of those houses which were flooded by the surface water overflow, do not appear to have been those who suffered ; and, again, there are about 1,000 children in attendance at White Hart Lane School, and I believe more than half pass and repass this spot on their way to and from School. I would have expected more cases and a more even distribution of the cases in every class of the three Departments of the School.

However, on the 26th April, I had all the sludge there deposited, covered with earth and watered with disinfectant, and from that date all the sludge deposited on the Shoot is covered as it is brought in, as a precautionary measure.

(c) *An unrecognised case of Diphtheria attending the White Hart Lane Schools has been traced, and there were possibly others. To these cases, I am inclined to attribute the outbreak in your Schools.*

As showing the difficulty in dealing with Diphtheria, I would like to bring to your notice the following :—

(a) The house where five cases were notified. In this case the children were kept at home from School suffering from "Mumps,"

but one of them becoming so ill (as a matter of fact dying before it could be removed to the Hospital) a Medical Practitioner was called in, who found the cases to be Diphtheria.

(b) A child, not attending School (a sister attending School), had a sore throat, but was not taken to see a Medical Practitioner until it was in a dying condition from Diphtheria. Subsequently the sister developed Diphtheria and was removed to Hospital.

It is just these kind of cases which make it so difficult to successfully stamp out outbreaks of the character under review.

I would here take the opportunity of thanking Mr. Adams and your Sanitary Staff, School Nurse and Teachers of the White Hart Lane School, for the vigilance and energy with which they assisted me in dealing with what might have proved a serious epidemic.

I am,

Mr. Chairman and Gentlemen,

Your obedient Servant,

T. SLATER JONES, M.D.,

Medical Officer of Health.

MEDICAL INSPECTION OF SCHOOLS.

*To the Chairman and Members of the
Wood Green Education Committee.*

MRS. ASHFORD & GENTLEMEN,

Since the death of Dr. Conolly in May last, I have undertaken the whole of the work of Medical Inspection with the very valuable assistance of Nurse Humphreys, who devotes her whole time to the work.

The routine of the Inspection by me occupies two half School days a week. The convenience of the School Teachers has been studied as far as possible so as to reduce interference with the School curriculum to a minimum.

The Head Teachers have cordially co-operated, and have taken a real interest in the work throughout, and have placed their own rooms, suitably heated in the cold weather, at my disposal.

The Nurse goes beforehand to the Schools, and sees that the children have been weighed and measured, the condition of their clothing and skin is also noted by her, and the previous medical history of the child recorded on the cards. On my visit, the children's clothing are unfastened by the Nurse, often with the assistance of the parents or School Teachers, and the children, thus prepared and carrying their own card, are in due order marshalled for inspection. The chest can thus be inspected for unsuspected heart disease, lesions of the lungs, special curvatures, deformities due to rickets, &c. This part of the examination was not undertaken when the work was first begun, but has been adopted throughout this year. The records are marked upon the cards by me, and are kept in a box properly indexed, and coloured steel clips attached to the cards of defective children for future reference. The parents or guardians have been invited to be present, and 843 have availed themselves of the advantage. In the case of infants especially, they have been of considerable

assistance to me ; and I hope I have been of some help to them in return. In less than half-a-dozen instances, parents have disapproved of the inspection, which is not a compulsory procedure, and the children have not attended on the day fixed.

The time taken to inspect any particular child naturally varies according to the age, shyness, volubility of parents, &c. ; but the average time may, under favourable conditions, probably be calculated at the rate of about ten children an hour. In addition to the routine visits to Schools, I have made special visits in connection with infectious and contagious diseases and the like, and have, in a few instances, visited the homes, when no doctor has been in attendance, to ascertain the reason of absence in cases suspected of being infectious.

Children suffering from sore throats and from skin lesions are brought in the morning under my notice at the Town Hall. In several cases, I have been able to detect that they were suffering from infectious diseases.

All suspicious cases are sent home for observation ; and all suspicious throats swabbed for detection of Diphtheria germs.

This portion of my work will be rendered easier when the contemplated room for the purpose has been built.

The Attendance Officers make immediate enquiries as to the absence of any child from School, and notify the Sanitary Department at once should the absent child be thought to be suffering from any infectious disease. Steps are then taken to prevent the other children in the house, if there are any, conveying the infection to the Schools.

Physical Training.—A copy of the book recently issued by the Board of Education has been supplied to each Teacher, and the system outlined therein carried out.

One hour a week is devoted to these exercises, which, when the weather is suitable, take place in the open air. Children who, after inspection, are physically unfit, are not required to undergo this training.

The Heating and Ventilation of the Schools are, on the whole, satisfactory. The heating process of the Alexandra School during the year has undergone alterations and improvements, and is now quite efficient.

The Cleaning of the Schools is now very much improved. The Chief Sanitary Inspector, accompanied by the Secretary, have made several early morning visits, and after school hours, to observe and instruct the Caretakers in their duties. White Hart Lane School was, at one time during the year, in an unsatisfactory condition ; but now, after the appointment of a new Caretaker, the work of cleaning is very much better done.

The cloak-room accommodation in some of the Schools cannot be described as satisfactory. Pegs are too close to one another, and the clothing is heaped up upon the existing ones.

School Accommodation.—During the past year the Education Committee have continued to give careful attention to the question of School accommodation.

Apparently a difficulty has been created by the fact that last year the Committee ceased to admit children under five years of age, thereby increasing the admissions this year, and to some extent producing over-crowding. I understand recommendations are being made to the Board for the provision of suitable additional accommodation, so that the matter will be remedied at the earliest possible date.

The Cleanliness of Scholars.—The Report of the School Nurse shows that of the children she examined, 756 were clean, 1,073 were receiving attention, and 120 were unsatisfactory. Six special cleansing notices were sent.

I have noted a considerable improvement in the cleanliness of the children, and there was often observed an obvious attempt by the parents to make a special effort on the day fixed for inspection.

Defects of the Throat and Nose include chiefly the presence of enlarged tonsils and adenoid growths of the Naso-pharynx.

Forty-six children had been operated upon successfully before inspection.

The slight degrees of enlargement of tonsils and presence of adenoids have not been noted, which do not effect the health of the child.

Teeth.—Of 2,133 children, 170 had very bad teeth and 563 revealed a carious condition of four or more teeth. There is not the slightest doubt that periodical attention to the teeth through childhood exerts a powerful effect on the health and physique of child and adult life. There were very few children with a perfect set of teeth.

Defects of Vision.—Of 1,065 children examined, 226 proved to be suffering from errors of refraction in a greater or less degree. The primary test employed was their ability to read Snellen's test type at the standard distance. Should the scholar be unable to do so, further investigation into the case was made.

Eighteen children had been supplied with suitable glasses before inspection, and several with unsuitable ones. Vision testing of children under the age of six years, being unsatisfactory, has been omitted ; but cases of obvious defect, such as squint or corneal ulcer, have been recommended for treatment.

In the Tables of re-examination, it will be observed that a large proportion of cases have had nothing done for them ; but the parents have been re-notified as to the defects. If facilities were available, there is no doubt that a proportion of the parents who now take no steps to remedy their children's defects, would take advantage of them, as regards such matters as the correction of errors of refraction of the eye, attention to teeth and the cure of ringworm.

Ringworm has been the cause for exclusion of 55 scholars from School. The recoveries have been long and tedious in many instances. Those cases that have been undergoing the X-ray treatment at the hospitals, on the whole, show quicker recoveries than those treated by other methods. Very careful inspection,

including, when necessary, microscopical examinations of the hairs are made before re-admission into the Schools.

Six mentally deficient children and 7 physically deficient (including 3 blind) were unsuitable to be admitted into the Schools. I understand that they are now residing outside this District.

During the first three months of the year the feeding of necessitous school children has been undertaken by the Education Authority. From 150 to 200 cases have been fed daily. The cost of labour has been paid by the Authority, and the cost of food by voluntary aid.

I have to acknowledge much help and kindness from the Nurse, the Secretary, Sanitary Inspector, Attendance Officers and Teachers in carrying out the duties of Inspection.

I am,

Your obedient Servant,

T. SLATER JONES,

School Medical Officer.

EXCLUSION FORMS.
LIST OF EXCLUSIONS FROM SCHOOLS.

Disease.	No.	Visits Paid to Homes.
Ringworm	55	—
Verminous Heads and Clothing	60	21
Impetigo and Sores on Hands and Face	45	—
Rashes and Skin Eruptions 	28	7
Peeling of Hands 	13	13
Scabies 	7	2
Sore Throats 	60	39
Mumps and Suspected Mumps	101	12
Chicken Pox 	7	—
Whooping Cough... 	24	—
Other Causes 	32	—
Total 	432	94

TABLE I.—BOYS' DEPARTMENTS.

Name of School.	Alexan-dra.	Bounds Green.	Higher Grade.	Noel Park.	White Hart Lane.	Total.
Defective Clothing and Foot-gear	16	2	...	...	...	18
Cleanliness and Condition of Skin	29	5	1	11	16	62
Defects of Nose and Throat ...	17	6	23	26	12	84
Defects of Teeth	37	13	30	65	25	173
External Eye Disease	4	1	1	11	4	21
Defects of Vision...	12	9	6	28	10	65
,, Ear	2	2	...	2	8	14
,, Hearing	4	...	...	...	3	7
,, Speech	1	1	1	...	...	3
Dull and Backward (Mentally Defective)	2	3	...	...	1	6
Defects of Heart & Circulation	3	...	3	3	2	11
,, Lung	1	2	1	7	1	12
,, Nervous System ...	1	...	...	1	1	3
Tuberculosis	2	...	...	2	...	4
Rickets	7	4	...	3	3	17
Deformation—Spinal Disease ...	1	1	1	2	...	5
Contagious Diseases ... ...	...	...	...	1	...	1
Other Diseases or Defects ...	2	...	1	2	...	5
Numbers Inspected	110	53	77	145	94	699

TABLE II.—GIRLS' DEPARTMENT.

Name of School.	Alexan-dra.	Bounds Green.	Higher Grade.	Noel Park.	White Hart Lane.	Total.
Defective Clothing and Foot-gear	17	3	...	4	2	26
Cleanliness and condition of Skin	73	16	3	27	38	157
Defects of Nose and Throat	19	16	29	15	16	95
,, Teeth	37	25	44	26	31	163
External Eye Disease	4	...	2	3	5	14
Defects of Vision	26	13	29	15	9	92
,, Ear	6	3	3	6	2	20
,, Hearing	3	...	...	3	4	10
,, Speech	...	...	...	2	...	2
Dull & Backward & Mentally Defective	1	...	...	2	...	3
Defects of Heart & Circulation	3	4	4	5	1	17
Defects of Lungs	4	1	1	2	2	10
,, Nervous System	3	3	1	2	2	11
Tuberculosis	...	1	2	1	3	7
Rickets	1	2	4	...	...	7
Deformation, Spinal Disease	8	3	2	4	5	22
Contagious Disease	...	...	...	...	...	...
Other Diseases or Defects	...	...	1	...	1	2
Number Inspected	118	94	155	89	85	549

TABLE III.—INFANTS' DEPARTMENT.

Name of School.	Alexandra	Bounds Green.	Noel Park.	St. Michaels.	White Hart Lane.	Total.
Defective Clothing and Foot-gear	12	6	7	...	15	40
Cleanliness and Condition of Skin	47	33	34	...	39	153
Defects of Nose and Throat ...	32	37	76	15	20	180
,, Teeth	52	66	112	14	47	291
External Eye Disease	6	6	9	1	7	29
Defects of Vision...	4	9	7	2	2	24
Ear Disease	12	7	9	...	2	30
Defects of Hearing	3	2	7	...	1	13
,, Speech	3	2	5	3	2	15
Dull and Backward or Mentally Defective	2	1	1	1	3	8
Defects of Heart and Circulation	2	2	2	...	...	6
Defects of Lungs	7	4	7	...	1	19
,, Nervous System	2	7	2	1	2	14
Tuberculosis	2	2	3	...	3	10
Rickets	6	2	19	2	4	33
Deformities and Spinal Disease	5	...	5	...	...	10
Contagious Diseases ... ... ...	...	...	...	...	...	...
Other Diseases	1	...	4	1	...	6
Number Inspected	126	180	310	51	123	790

TABLE IV.—MIXED DEPARTMENT.

Name of School.	Muswell Hill.	Lordship Land.	St. Michael's.	St. Paul's.	Total.
Defects of Clothing and Foot-gear	2	1	...	2	5
Cleanliness and condition of Skin	5	30	1	13	49
Defects of Nose and Throat	12	30	11	11	64
,, Teeth	24	51	13	32	120
External Eye Disease	2	11	3	5	21
Defects of Vision	3	12	11	9	35
Ear Disease	...	9	...	3	12
Defects of Hearing	...	4	1	2	7
,, Speech	...	2	...	...	2
Dull, Backward or Mentally Defective	1	1	2	...	4
Defects of Heart & Circulation	...	4	1	...	5
Defect of Lungs	1	5	...	1	7
,, Nervous System	1	2	...	1	4
Tuberculosis	2	...	...	...	...
Rickets	2	6	1	4	13
Deformities and Spinal Disease	...	1	1	...	2
Contagious Diseases	1	...	...	...	1
Other Diseases	...	...	...	...	...
Number Inspected	71	151	27	76	325

RE-EXAMINATIONS.

School.	Effectually Treated or Cured.	Improvement Attempted Treatment or Undergoing Treatment.	No Treatment nor Improve- ment.
Alexandra Girls—			
Cleanliness	...	1	6
Vision	...	3	2
Nose and Throat	...	1	3
Hearing	2
Teeth	4
Alexandra Boys—			
Cleanliness
Vision	...	4	2
Nose and Throat	...	3	2
Hearing	2
Teeth	...	1	1
Alexandra Infants—			
Cleanliness
Vision
Nose and Throat	...	1	...
Hearing
Teeth	...	1	1
Bounds Green Girls—			
Cleanliness
Vision	...	2	2
Nose and Throat	...	2	2
Hearing	1
Teeth	...	1	2
Bounds Green Boys—			
Cleanliness
Vision	...	1	...
Nose and Throat	1
Hearing	...	1	...
Teeth	...	8	...
Bounds Green Infants—			
Cleanliness
Vision	...	3	2
Nose and Throat	...	1	3
Hearing
Teeth
Carried forward	...	26	38
			87

RE-EXAMINATIONS—*continued.*

School.	Effectually Treated or Cured.	Improvement Effected. Attempted Treatment or Undergoing Treatment.	No Treatment nor Improve- ment.
Brought forward	...	26	38
Lordship Lane—			
Cleanliness...	...	1	3
Vision	...	2	3
Nose and Throat	...	3	...
Hearing
Teeth
Noel Park Girls—			
Cleanliness...	1
Vision	...	3	2
Nose and Throat	...	1	1
Hearing	...	1	...
Teeth	...	1	...
Noel Park Boys—			
Cleanliness...
Vision	...	12	1
Nose and Throat	...	2	1
Hearing
Teeth	...	1	3
Noel Park Infants—			
Cleanliness...
Vision
Nose and Throat	...	1	3
Hearing	2
Teeth	...	1	3
White Hart Lane Girls—			
Cleanliness...	2
Vision	...	4	...
Nose and Throat	1
Hearing	1
Teeth
White Hart Lane Boys—			
Cleanliness...	10
Vision	...	4	...
Nose and Throat	1
Hearing	...	2	1
Teeth	1
Carried forward	...	65	68
			199

RE-EXAMINATIONS—*continued.*

School.	Effectually Treated or Cured.	Improvement Effectuated. Attempted Treatment or Undergoing Treatment.	No Treatment nor Improve- ment.
Brought forward	...	65	68
White Hart Lane Infants—			199
Cleanliness...	2
Vision
Nose and Throat	...	1	...
Hearing	...	1	1
Teeth
Muswell Hill—			
Cleanliness...	...	2	...
Vision	...	1	...
Nose and Throat	...	1	...
Hearing	1
Teeth
Saint Pauls—			
Cleanliness...
Vision	...	1	3
Nose and Throat	...	1	...
Higher Grade Girls—			
Vision	...	1	1
Nose and Throat
Higher Grade Boys—			
Vision	...	5	1
Totals	79	78
GRAND TOTAL	307

SUMMARY OF AVERAGES.—MEDICAL INSPECTION, 1909—1910.

AGES.		5—6		6—7		7—8		8—9		9—10		10—11		11—12		12—13		13—14		14—15		15—16	
	Ins.	lbs.	Ins.	lbs.	Ins.	lbs.	Ins.	lbs.	Ins.	lbs.	Ins.	lbs.											
Boys ...	41.	40·5	43·2	44·6	46·7	50·7	47·2	53·2	49·	56·7	46·9	63·1	53·	68·9	55·	75·2	55·8	80·1	59·4	91·7	61·9	105·1	
Girls ...	40·6	39·	42·8	42·9	45·1	47·4	47·3	52·5	48·9	56·9	51·7	60·6	52·5	64·9	56·	77·6	58·3	87·	59·7	95·2	—	—	

NUMBER OF CHILDREN INSPECTED.

AGES.	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15	15—16
Boys	313	100	129	149	83	67	72	67	40	14	4
Girls	274	127	113	120	66	83	82	103	91	36	...
Total	587	227	242	269	149	150	154	170	131	50	4

SANITARY DEPARTMENT.

Town Hall,

Wood Green,

January, 1911.

*To the Chairman and Members of the
Urban District Council of Wood Green.*

GENTLEMEN,

I have the honour of submitting my Annual Report of the work in this Department for the year ending 31st December, 1911.

There have been 63 complaints of various nuisances received at the Office.

As in previous years I have included under the head of Special Complaints all nuisances found in the inspection of the District and Infectious cases, except those of House to House Inspection, which appear under that head in another column.

No. of Drains opened and examined	...	...	...	...	102
„ „ unstopped and repaired	...	...	...	...	101
„ „ reconstructed	...	...	...	...	85
„ Disconnecting traps or chambers	...	...	...	...	43
„ Waste pipes	...	...	...	...	94
„ Soil pipes ventilated	...	...	...	...	45
„ New flush cisterns	...	...	...	...	14
„ New apparatus	...	...	...	...	51
„ W.C.'s cleaned and repaired	...	...	...	...	21
„ „ supplied with water	...	...	...	...	11
„ Sanitary dust bins	...	...	...	...	185
„ Roofs repaired	...	...	...	...	29
„ Rain water pipes and gutters	...	...	...	...	43
„ Surfaces, &c.	...	...	...	...	24
„ Houses cleansed	...	...	...	...	39
„ Cisterns cleaned, repaired	...	...	...	...	16
„ Accumulations of refuse removed	...	...	...	...	22

No. of Gipsy vans removed	...	...	...	...	...	2
„ Nuisances—Overcrowding	...	...	...	...	...	21
„ Animals	...	...	...	...	...	14
„ Smoke observations	...	...	...	...	...	24
„ Filthy bedding destroyed	...	...	...	...	...	8
„ Water taken off main for dietary purposes	...	...	...	...	...	13
„ Sites of houses concreted and air bricks provided	...	...	...	...	...	38
„ Nuisances from fried fish shops	...	...	...	...	...	1
„ Other nuisances dealt with	...	...	...	...	...	230

INFECTIOUS DISEASE (NOTIFICATIONS AND PREVENTION) ACTS.

No. of Notifications received	...	...	...	...	...	370
„ Articles disinfected at the Council's Station	...	...	...	...	...	3,150
„ Articles disinfected after Phthisis	...	...	...	...	...	79
„ „ „ „ Cancer	...	...	...	...	...	11
„ „ „ „ Chicken Pox	...	...	...	...	...	26
					Total	3,266

„ Articles destroyed	...	...	...	...	...	24
„ Visits to Infectious Cases	...	...	...	...	...	740
„ Enquiries into suspected cases of Diphtheria	...	...	...	...	...	77
„ Rooms disinfected	...	...	...	...	...	321
„ „ „ after Phthisis	...	...	...	...	...	14
„ „ „ „ Cancer	...	...	...	...	...	3
„ Schools	„	...	...	...	...	18
„ Rooms stripped and cleaned	...	...	...	...	...	298
„ Applicants supplied with Disinfectant	...	...	...	...	...	1,470

REMOVALS TO HOSPITAL :

Hornsey Isolation Hospital :

Scarlet Fever	139
Diphtheria	87
Enteric	4

Liverpool Road Hospital :

Scarlet Fever	2
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TEMPORARY MORTUARY.

Accommodation for	3
No. of Bodies received	39
," Enquiries	38
," Post Mortem Examinations								32

DEATHS FROM—

Natural Causes.	Misadventure.	Accidental.	Diphtheria.	Suffocation.	Found Drowned.	Wilful Murder.
22	7	5	2	1	1	1

DAIRIES, COWSHEDS AND MILKSHOPS ORDER, 1885.

There have been 10 Applications to be Registered as Purveyors of Milk (8 transfers of business, 2 with respect to new business) all of which were granted.

There are still four Registered Cowkeepers in the District, with 8 Cows as last year.

The number carrying on the Sale of Milk on the 31st December, 1910, were as follows :—

FOUR COWKEEPERS.

1. Abbott Bros., Station Road.
2. Emerton, H. J., Alexandra Park Road.
3. Gower, J., Redvers Road.
4. Sexton, D., Stuart Crescent.

Number of Visits to the above, 55.

FIFTY PURVEYORS OF MILK.

1. Anderson, G., 39, Richmond Road.
2. Adsley, W., 100, Winkfield Road.
3. Broomfield, R. C., 57, Commerce Road.
4. Bennett, R. O., 14, Palace Gates Road.
5. Bull, H. E., 5, St. Michael's Terrace.

6. Blanshard, J., 49, Coburg Road.
7. Bickerton, R., 136, Myddleton Road.
8. Baker, R., 117, Lordship Lane.
9. Blake, E., 24, Eleanor Road.
10. Crowhurst, R., 12, Lymington Avenue.
11. Clark, R., 36, Selborne Road.
12. Cox, F. W., 1a, Fletton Road.
13. Clear, E., 44, Acacia Road.
14. Cook, J., 80, Coburg Road.
15. Clifford, H., 44, Eldon Road.
16. Day, F. W., 28, Sidney Road.
17. Davis, J., 89, Lordship Lane.
18. Dyer, T., 8, Lordship Market, Lordship Lane.
19. Emerton & Son, J., 307, High Road and Alexandra Park Road.
20. Friern Manor Dairy, 113, High Road.
21. Farmborough, A., 83, Granville Road.
22. Fornay, C., 57, Coburg Road.
23. Gosling, G., 48, Mayes Road.
24. Gurthrie, A., 47, Eldon Road.
25. Howard, J., 2, Winkfield Road.
26. Hill, W., 310, High Road.
27. Hucklesby, M., 2, Sussex Terrace, White Hart Lane.
28. Jarvis, W., 222, High Road (at rear of).
29. Kirby, S., 72, Commerce Road.
30. Laskey, W., 21, Salisbury Road.
31. Legge, S., 5, Devonshire Villas, White Hart Lane.
32. Lascelles, T., 125, Myddleton Road.
33. Land, W., 35, Ringslade Road.
34. Meredith, R., 2, Westbury Parade, Westbury Avenue,
35. Marlow, J., 51, Coburg Road.
36. Meredith, E., 188, High Road.
37. Madell, J., 12, Whittington Road.
38. Rocker, F., 1, Albert Road.
39. Rawlings, E., 26, Herbert Road.
40. Smith, A., 37, Trinity Road.

41. Stredwick, E., 2a, Melrose Avenue.
42. Swindley, R., 2, Grainger Terrace, Lordship Lane.
43. Smurthwaite, A. H., 31, Western Road.
44. Smee, H., 2, Caxton Road.
45. Slaughter, A., 58, Acacia Road.
46. Taverner, F., 3, Clarendon Road.
47. Trinder, G., 36, Finsbury Road.
48. Wiseman, J., 33, Acacia Road.
49. Wharton, C., 33, Queens Road.
50. Watt, J., Post Office, High Road.

Number of Visits to the above ... 231.

SLAUGHTERHOUSES.

The number of Slaughterhouses on the Register remains as last year, viz. :

4 Licensed Slaughterhouses (under the Public Health Act, 1875).
 1 " " (" " " Amendment
 Act, 1890).

The names and addresses are as follows :—

1. Knight, William, 301, High Road.
2. Brown, G. H., 103, High Road.
3. Fillary, E. A., 45, Finsbury Road.
4. Jones, F. G., 141, Myddleton Road.
5. Edwards, J., 201, High Road.

Visits to the above premises 149.

SLAUGHTERHOUSES AND FOOD INSPECTION.

The number of Slaughterhouses remains as last year.

Only one is used to any great extent, the others slaughtering more or less for their own convenience when they buy live animals.

Most of the meat has already been subjected to inspection before coming into the District. One Pig (tuberculosis) was slaughtered in the District, and placed out of the slaughterhouse

directly its condition was discovered to await my inspection, and was at once surrendered.

The places where food is sold are regularly inspected, and only small quantities have been discovered which were unfit for food, and these principally stale, not actually unsound; immediately the owners have had their attention drawn to the same, it has been surrendered, or withdrawn and destroyed.

I must acknowledge the ready help I always receive when inspecting the food of the District.

The Saturday night Stalls and Market have been regularly inspected and do not call for any comment.

There are—

41 Butchers' Shops

21 Greengrocers' Shops

12 Fishmongers' Shops

Total ... 74 Premises under Periodical Inspection.

in addition to the stalls which are mostly situated in the High Road.

The Coffee Shops have been inspected regularly and cleansing done when required, but on the whole they are kept in a fair state of cleanliness.

I am, however, more convinced year by year that the Medical Officer's Certificate ought to be required for all places in which food is prepared or sold for human consumption.

ICE CREAM DEALERS.

These premises are dealt with under the Wood Green District Council Act of 1903.

Again this Summer, the weather was of such a nature that the Ice Cream season was of very short duration, but 56 premises were inspected as against 58 last year, the number of visits being 98.

REMOVAL OF HOUSE REFUSE.

No. of Complaints and Requisitions	...	...	...	...	...	29
„ Loads removed	...	...	...	...	...	8,038
„ Visits to Carts on District	...	...	...	...	...	1,890
„ Carts employed	...	...	...	...	...	8
Weight of Refuse removed	...	...	...	8,156 tons	11 cwt.	
Average load per Cart	...	...	...		19 cwts.	2 qrs.

The refuse is collected from each dwelling house once each week. From shops and business premises, who arrange for the refuse to be placed outside it is collected each morning before 10 o'clock.

The horse and carman are provided by Contract, the Dustman employed direct by the Council, the Vans being the property of the Council.

The District is divided into eight divisions, the dustman in the employ of the Council being held responsible for the regular collection of the refuse in his division, and I am sure it must be gratifying to the Council to note the few complaints that have been received.

CLERICAL WORK.

No. of Letters written	...	...	...	...	...	1,190
„ „ filed for future reference	...	...	...	...	...	1,136
„ General Notices issued	...	...	...	...	...	881
„ Statutory Notices (under P.H.A., 1875)	...	...	...	...	...	181
„ „ „ (under Infectious Disease Prevention Act, 1890)	...	...	...	...	...	215
„ Notifications to Schools	...	...	...	...	...	1,046
„ „ Librarian	...	...	...	...	...	309
„ Reports to Committee	...	...	...	...	...	12
„ Exclusion Notices filed	...	...	...	...	...	432
„ Returns received from Education Department, <i>re</i> Measles, Whooping Cough, &c.	...	...	...	...	...	192

LEGAL PROCEEDINGS.

NATURE.	RESULT.
Accumulation of refuse, 59, Lordship Lane.	Order to Remove and costs.

OPEN-AIR SWIMMING BATH.

The opening of the open-air Bath at the Alexandra Park was delayed this year, on account of one of the walls collapsing during the heavy rain in April last, necessitating the rebuilding of the whole of one side of the Bath (180 feet in length).

Added to this, another cold and wet Summer considerably reduced the number of Bathers.

The figures during the period the Bath has been open are as follows :—

MALES.				FEMALES.			
1907	1908	1909	1910	1907	1908	1909	1910
11,058	17,288	9,787	5,305	Not open to Females.	924	756	1,042
TOTAL for four Seasons				...	{ Males	43,438	
					Females	2,722	

RECEIPTS AND EXPENDITURES.

				RECEIPTS			EXPENDITURE		
				£	s.	d.	£	s.	d.
1907	...	...	...	88	15	0	...	...	445 8 0
1908	...	...	...	101	0	1	...	...	154 19 0
1909	...	...	...	98	18	4	...	...	74 3 1
1910	...	...	...	41	4	11	...	...	201 2 11
				-----	-----	-----	-----	-----	-----
				£336	18	4	...	...	£876 3 6

HOUSE TO HOUSE INSPECTION.

Roads Inspected.	No. of Houses.	No. of Rooms.	Families.		Persons per room
			Adults.	Children	
Melrose Avenue	43	212	108	144	1.18
Edwards Cottages	7	35	22	12	.97
Alexandra Terrace	4	36	32	38	1.94
River Park Road	3	27	21	22	1.59
Eldon Road (part of)	13	70	35	40	1.07
Sidney Road (part of)	7	42	28	49	1.83
Watsons Road	7	28	24	20	1.57
Edith Road	12	59	31	25	.94
Buller Road	9	40	24	15	.97
Redvers Road	13	66	31	26	.86
Herbert Road (part of)	6	36	21	21	1.16
Kings Road	31	143	95	115	1.46
Palace Road	25	159	91	86	1.11
Wellesley Road	16	77	42	67	1.41
Total ...	196	1,030	605	680	1.25

No. of Houses inspected	196
," Rooms	1,030
," Drains unstopped and repaired, etc.	36
," Soil Pipes ventilated	33
," New W.C. apparatus	15
," W.C.'s cleansed and repaired	19
," Dust bins supplied	28
," Roofs repaired	20
," Rain water pipes and gutters repaired	31
," Surface of ground paved...	32

No. of Houses cleansed	21
„ Cisterns cleansed and repaired	3
„ „ covers supplied	13
„ Nuisances from overcrowding	4
„ „ „ animals	2
„ Houses supplied with water from the main	17
„ Damp-proof courses provided	15
„ Other nuisances	90

LADY HEALTH VISITOR.

Enquiries into Births, Total number for 1910 1,149

As a result of these enquiries it was found that the

Number of children entirely breast-fed were 837

„ „ „ hand-fed ... 125

„ „ partly hand-fed ... 112

„ removals before enquiry ... 40

„ deaths before enquiry ... 37

(The cause in most cases being pre-birth or
injuries at birth).

Hand-fed children—Methods of feeding :—

Cows milk and water or barley water ... 148

Nestles milk, with the addition in many
cases of barley water or cream ... 65

Patent foods, mostly Allenbury's, is given in 24 cases.

Glaxo is sometimes given ; also Virol to delicate children.

Ages of children when enquiries were made :—

19 at 9 weeks.

123 at 8 „

286 at 7 „

348 at 6 „

159 at 5 „

86 at 4 „

44 at 3 „

9 at 2 „

Birth cases followed up and revisited	...	...	...	...	234
Visits to workshops ...	...	...	...	...	129
„ Outworkers	...	...	...	...	142
„ Cases of Consumption or Erysipelas	...	...	...	...	12
„ Puerperal Fever (two cases)	...	...	...	...	5
„ Enquire into Deaths of Children under 1 year	...	...	...	...	19
„ School and Public Conveniences	...	...	...	...	346
„ Houses in connection with dirty children from School	...	...	...	...	141

GENERAL.

The figures in this report only give some idea of the work done during the year, there are many necessary details which cannot be tabulated but claim a good share of the time of your Inspectors, such as Interviews and Appointments, writing up the various records, &c., &c.

It is with great pleasure that I have to record that Mr. Edwards, who was Clerk in the Department for about eight years, secured an appointment as Inspector to the Leigh-on-Sea Urban District Council.

Extra work has been thrown on the Department during the year by reason of enquiries into causes of Exclusion from school, also suspicious cases of Infectious Disease sent by the School Attendance Officers, nearly one hundred (96) enquiries being made under this head and reports given to the School Medical Officer.

Every Saturday morning I meet the Education Secretary, School Nurse and Attendance Officers, when special cases are considered and a course of action agreed upon ; the co-operation between the Education and Sanitary Departments has thus been of mutual benefit, not merely to the work of Medical Inspection but to the District generally.

Before concluding may I be respectfully allowed to allude to the loss the Department sustained in the sudden death of Dr.

Conolly. He was Medical Officer of Health at the time I took up my duties with the Council, and his disposition, throughout the whole period, made our mutual work a pleasure.

I beg to thank the Committee for the continued support and confidence they have given to the Department. I have also to thank the Staff for the careful and tactful manner in which they have carried out their duties, and trust that the work generally has merited the satisfaction of the Council.

I am, Gentlemen,

Your obedient Servant,

A. E. ADAMS,

Inspector of Nuisances.

COUNTY OF MIDDLESEX.—SANITARY WORK, 1910. DISTRICT OF WOOD GREEN. 60

Inspections.*	Notices.	Dwelling Houses.		Houses let in Lodgings (Tenement Houses).	Common Lodging Houses.	Canal Boats used as Dwellings.	Movable Dwellings, Caravans, Tents, &c.	Number Removed from District.
		No.	Under Ground Dwellingss.					
(1)	Number of Premises Inspected on Complaint.	876	702	293	196	5,433	881	1
(2)	Number of Premises Inspected in connection with Infectious Diseases.							
(3)	Number of Premises Inspected Periodical Inspection.							
(4)	Houses Inspected from House-to-House.							
(5)	Total Number of Inspections and Re-inspections made.							
	Cautory or Intimation Notices Given.							
	Statutory Orders Issued.							
	Summonses Served.							
	Convictions Obtained.							
	Houses, Premises, &c., Cleaned,							
	Repaired, &c.							
	Closed as Unit for Habitation.							
	(a) As result of action under H.M.C. Acts. (b) Otherwise.							
	Re-opened after Repairs, Alterations, &c.							
	Hillside Under-ground Dwellings Vacated.							
	Demolished.							
	No.	No.	No.	No.	No.	No.	No.	No.
	Bye-Laws.	Bye-Laws.	Bye-Laws.	Bye-Laws.	Bye-Laws.	Bye-Laws.	Bye-Laws.	Bye-Laws.

* N.B.—(3) Includes all classes of premises under periodical supervision, such as Cowsheds, Dairies, Slaughterhouses, Workshops and Work-places, &c.

(5) Includes all visits and re-visits made by Sanitary Inspectors in connection with 1—4.

COUNTY OF MIDDLESEX.—SANITARY WORK, 1910.

DISTRICT OF WOOD GREEN. 61

Bake-houses.	Number in District.	Contraventions of Factory Acts.
Slaughter-houses.	5	Number on Register.
Cowsheds.	49	Number on Register.
Dairies and Milkshops.	49	Number on Register.
Unsound Food.	231	Number of Inspections made and frequency of Inspection.
Adulterated Food.	45	Number of Inspections made and frequency of Inspection.
Offensive Trades.	...	Number of Premises in District.
Water Supply and Water Service.	100 per cent.	Number of Houses supplied from Public Water Service.
Cisterns.	33	New Sink.
Wells.	..	Cleaned, Repaired, &c.
	..	New Provided.
	..	Closed as Polluted.
	..	Cleaned, Repaired, &c.
	100 per cent.	Percentage of Houses supplied from Public Water Service.
	30	Draw-Taps placed on Mains.
	..	Percentage of Houses supplied on Constabt System.
	..	Number of Samples obtained for analysis, (a) from Local Wells
	..	(b) from Public Supply.

* Instead of New Cisterns, we are requiring supply direct from main, under the powers of Wood Green District Council Act, 1903.
† 1 Pig, $\frac{1}{2}$ cwt. Apples, 4 Trucks of Fish and 1 Crate Greens.

